
About this document

This document provides guidelines for planning the Meridian 1 environment, including setting up the equipment area, establishing grounding and power, and meeting cabling requirements. This information helps you select a site, plan a site, and plan the Meridian 1 installation.

Note: If there is a conflict between information in this document and a local or national code, follow the code.

Most of the considerations for site planning and installation are common for AC-powered systems and DC-powered systems. Any differences are noted. For detailed information on AC- and DC-power configurations, see *Meridian 1 power engineering* (553-3001-152).

References

See the *Meridian 1 planning and engineering guide* for the following documents:

- *Library navigator* (553-3001-000)
- *Meridian 1 system overview* (553-3001-100)
- *Meridian 1 system engineering* (553-3001-151)
- *Meridian 1 power engineering* (553-3001-152)
- *Spares planning* (553-3001-153)
- *Meridian 1 equipment identification* (553-3001-154)

See the *Meridian 1 installation and maintenance guide* for the following documents:

- *Meridian 1 system installation procedures* (553-3001-210)
- *Telephone and attendant console installation* (553-3001-215)

See the *X11 software guide* for an overview of software architecture, procedures for software installation and management, and a detailed description of all X11 features and services. The following documents provide this information:

- *X11 software management* (553-3001-300)
- *X11 features and services* (553-3001-305)

See the *X11 input/output guide* (553-3001-400) for a description of all administration and maintenance programs, and *X11 system messages guide* (553-3001-411) for information about system messages.

Related documentation

The following documents contain information that you may find necessary or helpful as you plan the site and prepare for installation.

- 1987. “Maintenance, Testing and Replacement of Large Storage Batteries.” IEEE, Vol. 450: all pages.
- 1987. “Design and Installation of Large Lead Storage Batteries.” IEEE, Vol. 484: all pages.
- 1981, 1982, 1983. ANSI/IEEE Standard, Vols. 484, 142, 81: all pages. (484-1981; 142-1982; 81-1983)
- 1984. Gaseous Hydrogen Systems. National Fire Protection Association (NFPA), Vol. 50A: all pages.
- 1984. National Electrical Code (NEC). NFPA, Vol. 70: all pages.
- 1986. Canadian Electrical Code (CEC). Canadian Standards Association (CSA), C22-1-1986.
- Grounding Electrode System
(NEC: 250-23, 250-26, 250-54, 250-81, 250-83, 250-84, 250-86)
(CEC: 10-204, 10-206, 10-504, 10-520, 10-700-710)

- Grounding Electrode Conductor
(NEC: 250-23, 250-26, 250-51, 250-53, 250-91, 250-92, 250-94)
(CEC: 10-500, 10-502, 10-804, 10-808, 10-812)
- Grounded Conductor (such as Neutral)
(NEC: 250-26, 250-50, 250-51, 250-53, 250-61)
(CEC: 10-206, 10-900-908, 10-500, 10-502, 10-518)
- Equipment Grounding Conductor
(NEC: 250-50, 250-51, 250-53, 250-57, 250-91, 250-32, 250-92, 250-95)
(CEC: 10-900-908, 10-500, 10-502, 10-510, 10-804, 10-300, 10-302)
- Corporate Ground Specification 4122.00
- Main Bonding Jumper
(NEC: 250-23, 250-26, 250-61)
(CEC: 10-204, 10-206, 10-518, 10-520)
- Emergency power disconnect
(NEC: 645-10)
- Grounding Evaluation Practices and Equipment, ECOS Electronics Corporation, 205 West Harrison Street, Oak Park, IL 60304.
- Protection of Electronic Computer/Data Processing Equipment. NFPA, Vol. 75.
- MIL-Handbook
419 (raised floor installation requirements).
- “Network Equipment Building Systems Generic Equipment Requirements” specification TR-EOP-000063. Bellcore.
- OSHA
Occupational Safety and Health Administration Standards
(29 CFR 1910).
- Recommended Practice on Static Electricity. NFPA 77.
- National Building Code of Canada 1985.
- Uniform Building Code 1982.
- Local building codes.